## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS | ID NO. | DATE  |
|---------------------|----------|--------|-------|
| FEE DETERMINATION   | BA       | 10385  |       |
| O.I.P.E. CLASSIFIER |          | 8      | 31999 |
| FORMALITY REVIEW    | En       | 64834  | 42259 |
|                     | W        | 64434  | 67588 |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

|          | aim                  | Q : Date       |          |          |          |          | Claim Date      |               |              |                   |          |          |  | 1             | Cla          | im I     | Date     |                 |           |          |   |          |            |        |          |          |  |          |          |          |          |               |
|----------|----------------------|----------------|----------|----------|----------|----------|-----------------|---------------|--------------|-------------------|----------|----------|--|---------------|--------------|----------|----------|-----------------|-----------|----------|---|----------|------------|--------|----------|----------|--|----------|----------|----------|----------|---------------|
| 100      | L                    |                |          |          | হৈ       | Dat      |                 |               | _            | $\neg \neg$       |          | _        | $\vdash$   | r-            | Τ-           |          |          | -               | Т         |          | 1 |          | _          | 1      |          |          |  | _        |          |          |          |               |
| Finaf    | Original             | H-1/2          | 10/1/01  | 2/07     | 1276     | ,        |                 |               |              |                   | Final    | Original |  |               |              |          |          |                 |           |          |   | Flnai    | Original   |        |          |          |  |          |          |          |          |               |
| ıΞ       | Įġ                   | 7              | 3        | 1/2/2    | 2        |          |                 |               |              |                   | 谨        | ŏ        |  | L_            | L.           |          |          |                 |           |          | ] | Ē        | ŏ          |        |          |          |  |          |          |          |          |               |
| Ε.       | Ma                   |                | Ņ        |          |          |          |                 |               | ï            | - T - 1           |          | 51       |  |               | T            |          |          |                 | T         |          | 1 |          | 101        |        |          |          |  |          |          | ŀ        | j        |               |
|          | 1 \$                 | Γ              | П        |          | T        |          | П               |               | Т            | $\neg \neg$       |          | 52       |  |               | Т            |          | П        | $\neg$          | Т         | Т        | 1 |          | 102        | T      | П        |          |  |          | П        |          |          |               |
| Ι.       | T                    | П              | Ш        |          |          |          |                 | T             | T            | $\Box$            |          | 53       |  | Т             |              | Г        |          |                 | T         |          | 1 |          | 103        | Т      |          |          |  |          | П        | 口        |          | _             |
|          | 13                   | М              | Ш        |          |          |          |                 |               | 7            | $\Box$            |          | 54       |  |               | 1            | П        |          |                 | ┪         | T .      | 1 |          | 104        | 1      | П        |          |  |          | П        | ╗        |          |               |
|          | A                    | 11             | Ш        |          | 一        |          |                 | T             | T            | $\sqcap$          |          | 55       |  |               |              |          |          |                 | ┑         |          | 1 |          | 105        |        | П        |          |  |          | П        |          |          |               |
|          | 1                    | П              | Ш        | T        |          |          |                 | $\Box$        | T            | $\Box$            |          | 56       |  |               | Τ            | П        |          | П               | 7         |          | 1 |          | 106        |        | П        |          |  |          | П        |          | $\neg$   |               |
|          | 17                   | П              | П        |          | $\neg$   |          |                 |               | 1            | $\Box$            |          | 57       |  |               | T            | П        |          | T               | $\neg$    |          | 1 |          | 107        |        |          |          |  |          |          |          |          |               |
|          | B                    | П              | П        |          |          |          |                 |               | .            |                   |          | 58       |  |               |              |          |          |                 | ٦         |          | 1 |          | 108        |        |          |          |  |          |          |          |          |               |
|          | þ                    | Ιï             | Ш        | П        |          |          |                 |               | T            | $\Box$            |          | 59       |  | П             | Т            |          |          |                 |           |          | ] |          | 109        |        |          |          |  |          | П        | П        |          |               |
|          | 10                   | П              | П        |          | $\neg$   |          | П               |               | 1            | $\sqcap$          |          | 60       |  |               |              |          |          |                 | Ì         |          | 1 |          | 110        | 7-     | П        |          |  |          | П        | ヿ        | $\neg$   |               |
|          | 11                   | П              | N        |          | ヿ        |          |                 |               | 7            | $\Box$            |          | 61       |  | $\neg \vdash$ | Τ            | П        |          | _               | _         |          | 1 |          | 111        | $\top$ | П        |          |  |          |          |          |          |               |
|          | 12                   | П              | Ż        |          |          |          |                 |               | 1            | 77                |          | 62       |  |               | T            |          |          |                 | 1         |          | 1 |          | 112        | 1      |          |          |  |          | П        |          |          |               |
|          | 1                    | $\prod$        | Ш        |          | $\neg$   |          | П               |               | $\top$       | $\neg \neg$       |          | 63       | П  | $\top$        | Т            | П        |          | $\neg$          | $\top$    |          | 1 | $\Box$   | 113        | T      | $\sqcap$ |          |  |          |          |          | $\neg$   |               |
|          | 114                  | $\parallel$    |          |          | 寸        |          | П               | 1             | $\top$       | $\neg \neg$       |          | 64       | $\sqcap$   | 1             |              |          |          | 7               | 7         |          | 1 | -        | 114        |        | П        |          |  |          | $\Box$   |          |          | _             |
|          | 15                   | 11             | Ш        |          | ,        | $\neg$   |                 | _             | $\top$       | $\neg \neg$       |          | 65       | П  | $\top$        | 1            | П        |          | $\dashv$        |           |          | 1 |          | 115        | Τ      | П        |          |  |          | П        |          |          | _             |
| 1        | (16                  | 31             | 111      | <b>√</b> | =        |          |                 | T             | T            | $\exists \exists$ |          | 66       |  | 1             | $\top$       |          |          | $\neg$          | T         | T        | 1 |          | 116        |        | П        |          |  |          |          |          |          |               |
| Ţ.       | 1/7                  | I              | Ш        | 亓        | $\neg$   |          | П               | $\top$        | $\top$       | $\Box$            |          | 67       | $\sqcap$   | 1             |              |          |          | $\neg$          | $\dashv$  | $\top$   | 1 |          | 117        | $\top$ | П        |          |  |          | П        |          | $\neg$   | _             |
|          | 18                   | 1              | V        |          |          |          |                 | T             | 1            |                   |          | 68       |  |               |              |          |          |                 |           |          | 1 |          | 118        | 1      | П        |          |  |          | П        |          |          | $\overline{}$ |
|          | 19<br>20<br>21<br>22 | 1              | N        |          | $\neg$   |          |                 | $\neg \vdash$ | 7            | $\top$            |          | 69       |  | _             |              |          |          | $\neg \uparrow$ | 7         |          | 1 |          | 119        |        | т        |          |  |          | П        |          |          | _             |
| :        | 120                  | ₩              | N        |          | _        |          |                 | _             | T            |                   |          | 70       |  | $\top$        | T            |          |          | $\neg$          | 7         |          | 1 |          | 120        |        | П        |          |  |          | П        | $\neg$   |          | _             |
| 2        | 2                    | <del>(**</del> |          | <b>√</b> | 듸        |          |                 | -+            | +            | +                 |          | 71       | $\vdash$ $\vdash$                                | +             | +-           | 1-       | $\vdash$ | 十               | +         | +        | 1 | $\vdash$ | 121        | +      | H        | Н        |  |          | Н        | $\dashv$ | $\neg$   |               |
| 3        | 22                   | 1              | 1 1      | ^        | =        | $\dashv$ | $\vdash$        | $\dashv$      | +            | $\dashv \dashv$   | -        | 72       | $\vdash$   | $\top$        | +            | $\vdash$ | $\vdash$ | $\dashv$        | +         | $\top$   | 1 |          | 122        | +-     | $\vdash$ | -        | -  | _        |          | _        | $\dashv$ | _             |
| ű        | 23                   |                | $\vdash$ | V        | =        |          | $\vdash$        | $\dashv$      | +            | $\dashv$          |          | 73       | $\vdash$   | +             | $^{+}$       | $\vdash$ | Н        | +               | 7         | +        | 1 | $\vdash$ | 123        | +      | $\vdash$ | -        |  | _        |          | $\neg$   | $\dashv$ |               |
| 5        | 24                   |                | $\vdash$ | J        | =        |          | 1               |               | +            | $\dashv$          |          | 74       | $\vdash$   | +             | +-           |          |          | $\dashv$        | 7         | -        | 1 | $\vdash$ | 124        | +      | H        | _        | -  | Т        | $\Box$   | _        | _        | _             |
| 16       | 25                   |                | $\vdash$ | す        | ᆲ        |          |                 |               | _            |                   |          | 75       | $\vdash$   | $\top$        | <del> </del> | 1        |          | _               | 7         | 1        | 1 | $\vdash$ | 125        |        | Н        | $\vdash$ |  | $\vdash$ |          |          |          | _             |
|          | 26                   | Т              | $\vdash$ |          | 1        | $\dashv$ | $\vdash$        | .             | +            | _                 |          | 76       |  | $\top$        | 1            | $\vdash$ | $\Box$   | T               | 1         | $\top$   | 1 | $\vdash$ | 126        |        |          |          | $\vdash$   | <u> </u> |          |          |          | $\overline{}$ |
|          | 27                   | t              | $\Box$   | 1        | _        | $\dashv$ | $\vdash$        | $\top$        | $^{+}$       |                   |          | 77       |  | +             | +            | ┼─       |          | 十               | $\forall$ | _        | 1 |          | 127        | +      | $\top$   |          | $\vdash$   | <u> </u> | Н        |          |          | Γ             |
| +        | 28                   | t              | $\Box$   | _        | $\dashv$ | $\neg$   | $\vdash$        | $\neg$        | +            |                   |          | 78       | $\vdash$   | _             | 十            | †        | Н        | $\neg$          | 7         | _        | 1 |          | 128        |        |          |          | $\vdash$   | $\vdash$ | П        |          |          | Г             |
|          | 29                   | 1              |          | _        | 寸        |          |                 | -             | $^{\dagger}$ | $\dashv \dashv$   |          | 79       | $\vdash$   | +             | T            | ┢        |          | 1               | 1         | $\top$   | 1 | $\vdash$ | 129        | +-     |          |          |  | _        | Н        |          |          | _             |
|          | 30                   | 1              | $\Box$   | 一        | $\dashv$ |          | $\vdash$        | $\neg$        | 1            |                   |          | 80       | 1  | ┪             | $\top$       |          |          | _               | 7         |          |   |          | 130        |        |          |          |  | $\vdash$ | П        |          |          |               |
| ì        | 31                   | 1              |          |          | $\neg$   |          |                 | $\neg$        | 1            | 7                 |          | 81       |  | 7             | 1            |          | Н        | _               | 7         |          | 1 |          | 131        | +      |          |          |  |          |          |          |          | Ė             |
|          | 32                   |                | $\Box$   |          |          |          |                 |               | 1            |                   |          | 82       |  |               | 1            |          | 277      | -               |           | 17       | 1 |          | 132        |        |          |          | 1  |          |          |          | 100      | 12            |
|          | 33                   |                |          | $\neg$   |          | $\neg$   |                 |               | $^{\dagger}$ |                   |          | 83       |  |               | •            | $\vdash$ |          | _               | ┪         | - 1      | 1 |          | 133        | 1      | T        |          | <del>                                     </del> | _        | H        |          |          | _             |
| $\vdash$ | 34                   | <u> </u>       | 1        | 一        | _        | $\dashv$ |                 | +             | +            |                   |          | 84       |  | $\top$        | 1            | 1        |          | $\neg \dagger$  | 7         |          | 1 |          | 134        | +      |          |          | <u> </u>   | $\vdash$ | Н        |          |          | _             |
|          | 35                   | 1              | П        | $\dashv$ |          |          |                 | $\top$        | 十            |                   | -        | 85       | Γ '  | $\top$        | +-           | 1        |          | $\dashv$        | $\dashv$  |          | 1 |          | 135        | $\top$ |          |          | <u> </u>   |          | 1 1      |          |          |               |
|          | 36                   |                | T        | _        | $\neg$   |          |                 | $\top$        | $\dagger$    |                   |          | 86       |  | $\dagger$     |              |          | П        | $\neg$          | $\dashv$  | $\vdash$ | 1 |          | 136        | $\top$ |          |          |  | _        | П        |          |          |               |
|          | 37                   | 1              | 1-1      | -        | 7        | $\dashv$ | $\vdash$        | $\top$        | +            |                   |          | 87       | $\sqcap$   | $\dashv$      |              | $\vdash$ | П        | $\dashv$        | 7         |          | 1 | $\vdash$ | 137        | 1      | T        |          |  | <u> </u> | П        |          | _        |               |
|          | 38                   | $\vdash$       | $\dashv$ |          | -        | $\dashv$ |                 | +             | +            | 7                 | -        | 88       | $\Box$   | 7             | +            | $\vdash$ | Н        | $\dashv$        | $\dashv$  |          | 1 | $\vdash$ | 138        |        | 1        |          |  |          | $\Box$   |          |          |               |
| $\vdash$ | 39                   | T              | П        | 寸        |          | $\dashv$ |                 | +             | 7            |                   |          | 89       | $\vdash$   | _             |              | $\vdash$ | П        | $\dashv$        | $\dashv$  |          | 1 | $\vdash$ | 139        |        | t        |          |  |          | П        | _        | _        |               |
| $\vdash$ | 40                   |                | П        | $\neg$   | $\neg$   |          | $\vdash$        | · Y           | 1            | $\Box$            |          | 90       | $\sqcap$   | $\top$        |              |          | $\Box$   | $\dashv$        | ┪         |          | 7 |          | 140        | $\top$ |          |          | Г  |          | П        |          |          | Г             |
| $\vdash$ | 41                   | _              | +        | -        | $\dashv$ | -        | $\vdash$        | +             | +            | 1                 | -        | 91       | ┌┼   | +             | +            | $\vdash$ | Н        | $\dashv$        | -+        | +        | 1 |          | 141        | +      | Т        | Н        | $\vdash$   |          | Н        | -        | $\dashv$ |               |
| -        | 42                   |                | H        | $\dashv$ | -        | $\dashv$ | $\vdash$        | - 3           | +            |                   | -        | 92       |  | -             | +-           | +-       | Н        | $\dashv$        | +         |          | 4 | H        | 142        | +      | ۲        | Н        | $\vdash$   | _        | Н        | -        |          | _             |
| -        | 43                   | +-             | $\vdash$ |          |          | $\dashv$ | $\vdash$        | +             | +            | $\dashv$          | -        | 93       |  | +             | ٠            | +-       | $\vdash$ | $\dashv$        | +         |          | ┨ |          | 143        | +      | +        |          | $\vdash$   | -        | Н        |          |          |               |
| -        | 44                   | _              | ╁╌╁      |          |          | $\dashv$ | -               | +             | +            | +                 | $\vdash$ | 94       |  | +             | 1            | +-       | Н        | $\dashv$        | +         | +-       | 1 |          | 144        | +      | +-       | $\vdash$ | -  | -        | H        | $\neg$   |          | _             |
| -        | 45                   |                | $\vdash$ | -        |          | $\dashv$ | $\vdash$        | +             | +            | $\dashv$          | -        | 95       |  | +             | +            | -        | щ        | +               | $\dashv$  | _        | - |          | 145        | -      | +-       | -        | -  | -        | $\vdash$ | $\dashv$ | -        | _             |
|          | 46                   | -              |          | -        | -        |          | -               |               | -            | -                 |          | 96       |  | -             |              | -        |          | +               | 1         |          | 1 | _        | 146        | 1      |          |          | -  |          | $\vdash$ |          |          | -             |
| -        | 47                   | $\vdash$       | ++       | -        | -        |          | H               | +             | +            | +                 | -        | 97       | +  | +             | +            | +        | Н        | +               | $\dashv$  | +        | 1 |          | 147        | -      | +-       | -        | -  | -        | $\vdash$ | -        |          | _             |
| -        | 48                   | +-             | $\vdash$ |          | $\dashv$ |          | $\vdash$        | -             | +            |                   | -        | 98       | $\vdash$   | +             | +-           | ┼        | -        |                 | -+        |          | + |          | 148        | +      | $\vdash$ | $\vdash$ |  | -        | $\vdash$ | _        | -        | -             |
| -        | 49                   | $\vdash$       | $\vdash$ |          |          | $\dashv$ | $\vdash \vdash$ | +             | +            | -                 |          | 99       | <del>                                     </del> |               | +            | +        | H        | $\dashv$        | $\dashv$  | +        | 1 | -        |            | +      | $\vdash$ | H        | -  | -        | -        | -        | -        |               |
| -        |                      |                | ╁╼┼      | -        | $\dashv$ | -        | $\vdash \vdash$ | +             | +            |                   | -        | 100      | -  | +             | +            | +-       | $\vdash$ | +               | +         | -        | 1 | -        | 149<br>150 | +      | +        | $\vdash$ | $\vdash$   | $\vdash$ | H        | $\dashv$ | ┥        |               |
|          | 50                   | 1              | 11       |          |          |          | 1               |               | _1_          | $\perp$           | L        | li (C    | L  |               | 1            | 1        | t .      | L               |           |          | _ |          | 130        |        |          |          |  |          |          | 1        | 1        |               |

If more than 150 claims or 10 actions staple additional sheet here

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